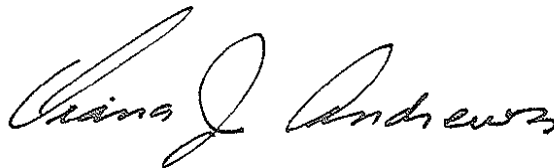


**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

Final

**AIR QUALITY PERMIT
Issued under 401 KAR 52:020**

Permittee Name: Headquarters, 101st Airborne Division
(Air Assault) and Fort Campbell
Mailing Address: Headquarters, 101st Airborne Division
(Air Assault) and Fort Campbell,
Public Works Business Center,
Environmental Division
Source Name: Same as above
Mailing Address: Same as above
Source Location: Fort Campbell, 42223-1291
Permit Number: V-06-003
Source A. I. #: 751
Activity #: APE19990002
Review Type: Construction/Operating
Source ID #: 21-047-00030
Regional Office: Paducah Regional Office
4500 Clarks River Road
Paducah, KY 42003-0823
(270) 898-8468
County: Christian
Application
Complete Date: January 27, 2000
Issuance Date: July 11, 2006
Revision Date: NA
Expiration Date: July 11, 2011



**John S. Lyons, Director
Division for Air Quality**

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

The portion of Fort Campbell in the State of Kentucky and the portion in the State of Tennessee are located on contiguous properties, belong to the same industrial grouping, and are under common control. By the definitions of major source in Title V (Part 70), major plant in PSD/Major NSR (Parts C and D of Title I), and major source in Title III (Part 63), they constitute one major source. Therefore, both facilities' emissions should be aggregated when determining Title V, PSD, and Title III applicability.

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EU01 (12) - Spray Paint Booth with Fabric Filters

Description:

Building 6490 SC-1, Construction commenced: 1985, Coatings applied are waterborne chemical agent-resistant coatings (CARC)

Equipment Includes:

Modification station and Paint booth: application of camouflaged coating and solvents on military equipment including HUMVEE's and trucks, equipped with fabric filters for particulate control

Material:

Coating/Solvent
Thinner

Maximum input:

5.24 gallons/hour and 21 gallons/day
0.38 gallon/hour and 3.0 gallons/day

Applicable Regulations:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

401 KAR 63:020, Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

1. **Operating Limitations:** None

2. **Emission Limitations:**

A. Visible emissions shall not equal or exceed 20% opacity.

401 KAR 59:010, Section 3(1)(b)

B. Particulate emissions shall not equal or exceed 2.34 lbs. per hour.

401 KAR 59:010, Section 3(2)

Compliance Demonstration Method:

The source shall be considered to be in compliance with opacity and particulate standards when the filter is in place and in effective operating condition.

C. 401 KAR 63:020: See Section D(4), for emission limitations and compliance requirements.

D. Synthetic Minor Limit on VOC emissions. See Section D(9).

3. **Testing Requirements:**

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**4. Specific Monitoring Requirements:**

- A. The fabric particulate filter pressure drop shall be observed once daily each day of operation.
- B. A qualitative visual observation of the opacity of emissions shall be performed from the stack on a weekly basis and a log of the observations maintained when the unit is operating. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- C. The twelve-month rolling average VOC emissions shall be monitored monthly.

5. Specific Record Keeping Requirements:

- A. Monthly records of gallons of coating applied shall be kept.
- B. Tons of VOC emissions shall be recorded and summarized monthly per rolling 12-month period.
- C. All purchase orders and invoices for materials containing VOCs and HAPs shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.
- D. Records of particulate filter pressure drop observations shall be maintained.
- E. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- F. All records shall be retained for a period of five years.

6. Specific Reporting Requirements: Semiannually, the permittee shall submit a report to each of the addresses listed in Section F.9 (f) of this permit. The report shall contain:

- A. The number of gallons of each coating applied;
- B. The amount of VOC's contained in the coatings;
- C. A rolling 12 month summary for each month of the quarter, showing tons of VOC emitted.
- D. See Section F(5) and F(6).

7. Specific Control Equipment Operating Conditions:

- A. Filters shall be in place at all times when a machine is applying paint.
- B. Filters shall be replaced when determined to be inefficient (as determined through visual inspection).

8. Alternate Operating Scenarios:

NA

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EU02 (13) - Modification Shop/Spray Paint Booth with Exhaust Fabric Filters/
Open Area Coating****Description:**

Building 7156A SC-1, Construction commenced: 1977

Building 7156A SC-2, Open Area Coating Activity

Equipment Includes:

Modification station and Paint booth: Rework /repair with special application operations of coating on military aircraft and solvents, equipped with fabric exhaust filters for particulate control. Coatings applied are waterborne specialty coatings as defined in Appendix A of Subpart GG of part 63.

Material:

Coating/Solvent

Thinner/Paint Remover

Maximum input:

3.0 gallons/hour and 21 gallons/day

3.0 gallon/hour and 3.8 gallons/day

Applicable Regulations:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

401 KAR 63:020, Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

401 KAR 63:002, incorporating by reference Regulation 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities.

1. Operating Limitations:

See Section D.4.

40 CFR 63.744 (b) (2) Standards: Hand wipe cleaning

40 CFR 63.744 (c) (1) Standards: Spray gun cleaning

40 CFR 63.746 (b) (3) Standards: Depainting operations

40 CFR 63.748 Standards: Handling and storage of waste

40 CFR 63.750 (a) Test methods and procedures – *Composition determination*

40 CFR 63.750 (b) Test methods and procedures – *Vapor pressure determination*

40 CFR 63.750 (j) (3) Test methods and procedures – *Spot stripping and decal removal*

2. Emission Limitations:

A. Visible emissions shall not equal or exceed 20% opacity.

401 KAR 59:010, Section 3(1)(b)

B. Particulate emissions shall not equal or exceed 2.34 lbs. per hour.

401 KAR 59:010, Section 3(2)

Compliance Demonstration Method:

The source shall be considered to be in compliance with opacity and particulate standards when the filter is in place and in effective operating condition.

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations (Continued):**

- C. 401 KAR 63:020: See Section D(4), for emission limitations and compliance requirements.
- D. Synthetic Minor Limit on VOC emissions. See Section D(9).
- E. Open Area Coating use shall be limited to less than five (5) gallons per day and no more than sixty (60) gallons per consecutive twelve (12) month period.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.

4. Specific Monitoring Requirements:

- A. The fabric particulate filter pressure drop shall be observed once daily each day of operation.
- B. A qualitative visual observation of the opacity of emissions shall be performed from the stack on a weekly basis and a log of the observations maintained when the unit is operating. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- C. See Section D(3), 40 CFR 63.751 (a) Monitoring Requirements – *Enclosed spray gun cleaners*
- D. The twelve-month rolling average VOC emissions shall be monitored monthly.
- E. Open Area Coating usage shall be monitored annually.

5. Specific Recordkeeping Requirements:

- A. Monthly records of gallons of coating applied shall be kept.
- B. Tons of VOC emissions shall be recorded and summarized monthly per rolling 12-month period.
- C. All purchase orders and invoices for materials containing VOCs and HAPs shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.
- D. Records of particulate filter pressure drop observations shall be maintained.
- E. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- F. All records shall be retained for a period of five years.
- G. See Section D(3), 40 CFR 63.752 (b) (2) Record keeping requirements – *Cleaning operations*
- H. See Section D(3), 40 CFR 63.752 (e) (1) and (e) (6) Record keeping requirements – *Depainting operations*
- I. Annual records of Open Area Coating usage shall be maintained.

6. Specific Reporting Requirements: Semiannually, the permittee shall submit a report to each of the addresses listed in Section F.9 (f) of this permit. The report shall contain:

- A. The number of gallons of each coating applied;
- B. The amount of VOC's contained in the coatings;
- C. A rolling 12 month summary for each month of the quarter, showing tons of VOC emitted.
- D. See Section D(3), 40 CFR 63.753 (b) Reporting requirements – *Cleaning operations*
- E. See Section D(3), 40 CFR 63.753 (d) Reporting requirements – *Depainting operations*
- F. See Section F(5) and F(6) for further requirements.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

- A. Filters shall be in place at all times when a machine is applying paint.
- B. Filters shall be replaced when determined to be inefficient (as determined through visual inspection).

8. Alternate Operating Scenarios:

NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EU03 (23) Three (3) Natural Gas/Oil Fired Indirect Heat Exchangers

Description: Nebraska Boilers #2D1747 (low NO_x burner & Flue Gas Recirculation capabilities), #2D1744 and #2D1745

Primary fuel: Natural Gas

Secondary fuel: Distillate Oil

Maximum Continuous Rating: #2D1747 = 10.5 MMBTU/hr, #2D1744 = 50 MMBTU/hr and #2D1745 = 50 MMBTU/hr

Construction Commenced: 1976

Location: Building 3902

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:015, New Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBTU per hour and commenced on or after April 9, 1972

40 CFR 63 National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (Subpart DDDDD)

1. Operating Limitations:

None

2. Emission Limitations:

- A. PM emissions shall not exceed 0.1 lbs. per MMBTU actual heat input.
401 KAR 59:015, Section 4 (1) (b)
- B. Opacity shall not exceed 20 percent.
401 KAR 59:015, Section 4(2)
- C. SO₂ emissions shall not exceed 0.8 lbs. per MMBTU actual heat input.
401 KAR 59:015, Section 5 (1) (b)
- D. Synthetic Minor Limit on CO, NO₂, SO₂ and VOC emissions. See Section D (6), (7), (8) & (9).

Compliance Demonstration Method:

The units are in compliance with the PM, Opacity and SO₂ standards so long as the units are burning natural gas. See Monitoring, Record keeping and Reporting requirements.

3. Testing Requirements:

- A. The permittee shall determine the opacity of emissions from the stack when burning distillate oil using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.
- B. The permittee shall conduct a performance test for particulate emissions when combusting distillate oil if such usage exceeds sixty (60) days within any consecutive twelve (12) month period.

4. Specific Monitoring Requirements:

- A. The permittee shall monitor the volume of natural gas and distillate oil usage monthly.
- B. The permittee shall monitor the sulfur content of the distillate oil combusted.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

- A. Records of the amount of natural gas and distillate oil burned shall be maintained on a monthly basis.
- B. The permittee shall maintain quarterly records of the sulfur content of shipments of distillate oil used for combustion. The permittee may use the certification from the fuel supplier to satisfy this requirement.

6. Specific Reporting Requirements:

- A. If distillate oil is burned in the unit(s), the permittee shall submit semi-annual reports including the fuel supplier certification and a certified statement signed by the owner or operator of the affected facility that the records of the fuel supplier certifications submitted represent the fuel oil combusted during that six month period.
- B. See Section F(5) and F(6).

7. Specific Control Equipment Operating Conditions:
NA

8. Alternate Operating Scenarios:
NA

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EU04 (53) Natural Gas/Oil Fired Indirect Heat Exchanger**

Description: Donlee Technologies Inc. Boiler, #28163
Primary fuel: Natural Gas
Backup fuel: Distillate Oil
Maximum continuous Rating: 42 mmBTU/hr
Construction commenced: 1999
Location: Building 3902

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:015, New indirect fired heat exchangers, applicable to an emissions unit with a rated capacity less than 250 mmBTU/hr which commenced on or after April 9, 1972.

Regulation 401 KAR 60:005, incorporating by reference Regulation 40 CFR 60, Subpart Dc, Standards of performance for small industrial-commercial-institutional steam generating units, for units less than or equal to 100 MMBTU/hour but greater than or equal to 10 MMBTU/hour commenced after June 9, 1989.

40 CFR 63 National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (Subpart DDDDD)

1. Operating Limitations:

None

2. Emission Limitations:

- A. Pursuant to Regulation 401 KAR 59:015, Section 4(1)(c), particulate emissions shall not exceed 0.10 lb/MMBTU based on a three-hour-average. Compliance with the allowable particulate emission limitation while burning distillate oil may be demonstrated by calculating emissions using the following formula:

Particulate emission = [(The most recent finalized AP-42 particulate matter emission factor) divided by (Heating value of the distillate oil in MMBTU /10³ gal)].

- B. Pursuant to Regulation 401 KAR 59:015, Section 4(2), and Regulation 401 KAR 60:005, incorporating by reference 40 CFR 60.43c(c), Subpart Dc, visible emissions shall not exceed 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.
- C. Pursuant to Regulation 401 KAR 59:015, Section 5(1)(c), and Regulation 401 KAR 60:005, incorporating by reference 40 CFR 60.42c(d), Subpart Dc, sulfur dioxide emissions shall not exceed 0.50 lb/MMBTU, or as an alternative, the fuel shall not contain greater than 0.5 weight percent sulfur. Compliance with the allowable sulfur dioxide emission limitation while burning distillate oil may be demonstrated based on fuel supplier certification of sulfur content. Sulfur dioxide emissions while burning distillate oil may be determined by using the following formula:

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations(Continued):**

Sulfur dioxide emissions = [(The most recent finalized AP-42 sulfur dioxide emission factor) divided by (Heating value of the distillate oil in MMBTU /10³ gal)].

Compliance Demonstration Method:

The units are in compliance with the PM, Opacity and SO₂ standards so long as the units are burning natural gas. See Monitoring, Record keeping and Reporting requirements.

D. Synthetic Minor Limit on CO, NO₂, SO₂ and VOC emissions. See Section D (6), (7), (8) & (9).

3. Testing Requirements:

- A. The permittee shall determine the opacity of emissions from the stack when burning distillate oil using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.
- B. The permittee shall conduct a performance test for particulate emissions when combusting distillate oil if such usage exceeds sixty (60) days within any consecutive twelve (12) month period.

4. Specific Monitoring Requirements:

- A. The permittee shall monitor the volume of natural gas and distillate oil usage monthly.
- B. The permittee shall monitor the heating value and sulfur content of the distillate oil combusted. The permittee may use the certification from the fuel supplier to satisfy this requirement. The fuel supplier certification shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil specified in the 40 CFR 60.41c.

5. Specific Recordkeeping Requirements:

- A. Records of the amount of natural gas and distillate oil burned shall be maintained on a monthly basis.
- B. The permittee shall maintain quarterly records of the sulfur content of shipments of distillate oil used for combustion. The permittee may use the certification from the fuel supplier to satisfy this requirement.

6. Specific Reporting Requirements:

- A. If distillate oil is burned in the unit, the permittee shall submit semi-annual reports including the fuel supplier certification as required by 40 CFR 60.48c(f)(1), Subpart Dc and a certified statement signed by the owner or operator of the affected facility that the records of the fuel supplier certifications submitted represent the distillate oil combusted during that six month period.
- B. See Section F(5) and F(6).

7. Specific Control Equipment Operating Conditions:

NA

8. Alternate Operating Scenarios:

NA

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EU05 (54) - Aerospace Rework Shop/Spray Paint Booth with Exhaust Fabric Filters****Description:**

Building 7274-SC1, Construction commenced: 2001

Equipment Includes:

Four (4) sided spray booth with 3 stage exhaust filter system (2 panels, 1 bag); Two (2) atomized spray guns. Items Coated: Helicopter components – propeller blades, interior fiberglass panels, & aluminum aircraft exterior panels; Coatings used are waterborne specialty coatings as defined in Appendix A to Subpart GG of Part 63.

Material:

Coating/Solvent

Thinner/Paint Remover

Maximum input:

4.0 gallons/hour

2.0 gallon/day

Applicable Regulations:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

401 KAR 63:020, Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

401 KAR 63:002, incorporating by reference Regulation 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities.

1. Operating Limitations:

See Section D.4.

40 CFR 63.744 (b) (2) Standards: Hand wipe cleaning

40 CFR 63.744 (c) (1) Standards: Spray gun cleaning

40 CFR 63.746 (b) (3) Standards: Depainting operations

40 CFR 63.748 Standards: Handling and storage of waste

40 CFR 63.750 (a) Test methods and procedures – *Composition determination*

40 CFR 63.750 (b) Test methods and procedures – *Vapor pressure determination*

40 CFR 63.750 (j) (3) Test methods and procedures – *Spot stripping and decal removal*

2. Emission Limitations:

A. Visible emissions shall not equal or exceed 20% opacity.

401 KAR 59:010, Section 3(1)(b)

B. Particulate emissions shall not equal or exceed 2.34 lbs. per hour.

401 KAR 59:010, Section 3(2)

C. 401 KAR 63:020: See Section D(4), for emission limitations and compliance requirements.

Compliance Demonstration Method:

The source shall be considered to be in compliance with opacity and particulate standards when the filter is in place and in effective operating condition.

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations (Continued):**

D. Synthetic Minor Limit on VOC emissions. See Section D (9).

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.

4. Specific Monitoring Requirements:

- A. The fabric particulate filter pressure drop shall be observed once daily each day of operation.
- B. A qualitative visual observation of the opacity of emissions shall be performed from the stack on a weekly basis and a log of the observations maintained when the unit is operating. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- C. See Section D(3), 40 CFR 63.751 (a) Monitoring Requirements – *Enclosed spray gun cleaners*
- D. The twelve-month rolling total VOC emissions shall be monitored monthly.

5. Specific Recordkeeping Requirements:

- A. Monthly records of gallons of coating applied shall be kept.
- B. Tons of VOC emissions shall be recorded and summarized monthly per rolling 12-month period.
- C. All purchase orders and invoices for materials containing VOCs and HAPs shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.
- D. Records of particulate filter pressure drop observations shall be maintained.
- E. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- F. All records shall be retained for a period of five years.
- G. See Section D(3), 40 CFR 63.752 (b) (2) Record keeping requirements – *Cleaning operations*
- H. See Section D(3), 40 CFR 63.752 (e) (1) and (e) (6) Record keeping requirements – *Depainting operations*

6. Specific Reporting Requirements: Semiannually, the permittee shall submit a report to each of the addresses listed in Section F.9 (f) of this permit. The report shall contain:

- A. The number of gallons of each coating applied;
- B. The amount of VOC's contained in the coatings;
- C. A rolling 12 month summary for each month of the quarter, showing tons of VOC emitted.
- D. See Section D(3), 40 CFR 63.753 (b) Reporting requirements – *Cleaning operations*
- E. See Section D(3), 40 CFR 63.753 (d) Reporting requirements – *Depainting operations*
- F. See Section F(5) and F(6) for further requirements.

7. Specific Control Equipment Operating Conditions:

- A. Filters shall be in place at all times when a machine is applying paint.
- B. Filters shall be replaced when determined to be inefficient (as determined through visual inspection).

8. Alternate Operating Scenarios: NA

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EU06 (55) - Aerospace Rework Shop/Spray Paint Booth with Exhaust Fabric Filters****Description:**

Building 71005-SC1, Construction commenced: TBD

Equipment Includes:

Four (4) sided spray booth with 3 stage exhaust filter system for PM (1 Roll Media, 1 Panel Filter, and 1 Bag Filter); Two (2) atomized spray guns. Items Coated: Interior and exterior of helicopter and helicopter flight system components, including helicopter blades, are coated with waterborne specialty coatings as defined in Appendix A to Subpart GG of Part 63.

Material:

Coating/Solvent

Thinner/Paint Remover

Maximum input:

4.0 gallons/hour

2.0 gallon/day

Applicable Regulations:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

401 KAR 63:020, Potentially Hazardous Matter and Toxic Substance Emissions, applies to the potentially hazardous matter and toxic substance emissions from affected facilities.

401 KAR 63:002, incorporating by reference Regulation 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities.

1. Operating Limitations:

See Section D.4.

40 CFR 63.744 (b) (2) Standards: Hand wipe cleaning

40 CFR 63.744 (c) (1) Standards: Spray gun cleaning

40 CFR 63.746 (b) (3) Standards: Depainting operations

40 CFR 63.748 Standards: Handling and storage of waste

40 CFR 63.750 (a) Test methods and procedures – *Composition determination*

40 CFR 63.750 (b) Test methods and procedures – *Vapor pressure determination*

40 CFR 63.750 (j) (3) Test methods and procedures – *Spot stripping and decal removal*

2. Emission Limitations:

A. Visible emissions shall not equal or exceed 20% opacity.

401 KAR 59:010, Section 3(1)(b)

B. Particulate emissions shall not equal or exceed 2.34 lbs. per hour.

401 KAR 59:010, Section 3(2)

Compliance Demonstration Method:

The source shall be considered to be in compliance with opacity and particulate standards when the filter is in place and in effective operating condition.

SECTION B -EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**2. Emission Limitations (Continued):**

- C. 401 KAR 63:020: See Section D(4), for emission limitations and compliance requirements.
- D. Synthetic Minor Limit on VOC emissions. See Section D (9).

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4.

4. Specific Monitoring Requirements:

- A. The fabric particulate filter shall be inspected once per day each day of operation.
- B. A qualitative visual observation of the opacity of emissions shall be performed from the stack on a weekly basis and a log of the observations maintained when the unit is operating. If visible emissions from the stack are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.
- C. See Section D(3), 40 CFR 63.751 (a) Monitoring Requirements – *Enclosed spray gun cleaners*

5. Specific Recordkeeping Requirements:

- A. Monthly records of gallons of coating applied shall be kept.
- B. Tons of VOC emissions shall be recorded and summarized monthly per rolling 12-month period.
- C. All purchase orders and invoices for materials containing VOCs and HAPs shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.
- D. Records of PM control device inspections shall be kept.
- E. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- F. All records shall be retained for a period of five years.
- G. See Section D(3), 40 CFR 63.752 (b) (2) Record keeping requirements – *Cleaning operations*

6. Specific Reporting Requirements: Semiannually, the permittee shall submit a report to each of the addresses listed in Section F.9 (f) of this permit. The report shall contain:

- A. The number of gallons of each coating applied;
- B. The amount of VOC's contained in the coatings;
- C. A rolling 12 month summary for each month of the quarter, showing tons of VOC emitted.
- D. See Section D(3), 40 CFR 63.753 (b) Reporting requirements – *Cleaning operations*
- E. See Section F(5) and F(6) for further requirements.

7. Specific Control Equipment Operating Conditions:

- A. Filters shall be in place at all times when a machine is applying paint.
- B. Filters shall be replaced when determined to be inefficient (as determined through visual inspection).

8. Alternate Operating Scenarios:

NA

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**EU07 (57) Abrasive Blaster for stripping dry paint from the fuselage of aerospace vehicles using plastic media**

Maximum quantity input of raw material: Plastic media is expelled through one nozzle with a blasting capacity of 1,000 lb/hour.

Process Equipment: Titan Abrasive System, Model DS45

Control Equipment: Dust Collection Filter System

Control Efficiency: 99.7%

Date Installed: TBD

Location: 71004

APPLICABLE REGULATION:

401 KAR 59:010, New process operations applicable to each emission unit which commenced construction on or after July 2, 1975.

1. Operating Limitations: The usage rate of raw materials used in all affected facilities shall be limited so that the emission limitations set forth in item 2, below, are not exceeded.

2. Emission Limitations:

Opacity and mass limits apply during shot blasting operations:

(i) Visible emissions shall not equal or exceed 20% opacity.

401 KAR 59:010, § 3(1)(a).

(ii) Particulate emissions shall not equal or exceed the emission rate determined by the following equation:

$$E = 3.59(P)^{(0.62)}$$

Where,

E = Emission rate in pounds per hour.

P = Process input weight rate of plastic media.

401 KAR 59:010, § 3(2).

Compliance Demonstration Method: See Monitoring and Record Keeping Requirements

3. Testing Requirements: Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 59:005, § 2(2) and 50:045, § 4. In addition, once a calendar year, EPA Reference Method 9 or equivalent reading shall be performed.

4. Specific Monitoring Requirements:

A. Daily monitoring of filter pressure drop shall be conducted on days when the unit is in operation.

B. See Section D(5).

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Record Keeping Requirements:

- A. Records documenting the results of each opacity reading by EPA Reference Method 9 shall be maintained.
- B. Records documenting the results of any required inspection and repair, as a result of a recorded opacity over 20%.
- C. The filter pressure drop shall be recorded daily on days when the unit is operating.
- D. See Section D(5).

6. Specific Reporting Requirements: See Section F(5) and F(6).

7. Specific Control Equipment Operating Conditions:

The Dust Collection Filter System shall be maintained and operated in accordance with manufacturer's recommendations.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary

ID	ACTIVITY	BLDG.	CAPACITY	UNIT	FUEL	GENERALLY APPLICABLE REGULATON
1	Boiler 1	71	2.730 E+06	BTU/HR	NG	401 KAR 59:015, 40 CFR 63, Subpart DDDDD
2	Boiler 2	71	2.065 E+06	BTU/HR	NG	Same as above
3	Boiler 1	95	6.700 E+06	BTU/HR	NG	Same as above
4	Boiler 1	98	2.310 E+06	BTU/HR	NG	Same as above
5	Boiler 2	98	1.674 E+06	BTU/HR	NG	Same as above
6	Boiler 3	98	4.185 E+06	BTU/HR	NG	Same as above
7	Boiler 4	98	1.120 E+06	BTU/HR	NG/#2 FO	Same as above
8	Boiler 1	127B	2.678 E+06	BTU/HR	NG	Same as above
9	Boiler 2	127B	2.010 E+06	BTU/HR	NG	Same as above
10	Boiler 1	175	1.260 E+06	BTU/HR	NG	Same as above
11	Boiler 1	2702	1.350 E+06	BTU/HR	NG	Same as above
12	Boiler 1	2996	1.703 E+06	BTU/HR	NG	Same as above
13	Boiler 2	2996	1.703 E+06	BTU/HR	NG	Same as above
14	Boiler 1	3202	1.357 E+06	BTU/HR	NG	Same as above
15	Boiler 1	3213	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
16	Boiler 2	3213	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
17	Boiler 3	3213	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
18	Boiler 1	3214	4.200 E+06	BTU/HR	NG	Same as above
19	Boiler 2	3214	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
20	Boiler 3	3214	4.200 E+06	BTU/HR	NG	Same as above
21	Boiler 1	3411	1.060 E+06	BTU/HR	NG	Same as above
22	Boiler 1	3601	1.084 E+06	BTU/HR	NG	Same as above
23	Boiler 1	3610	1.255 E+06	BTU/HR	NG	Same as above
24	Boiler 2	3610	1.795 E+06	BTU/HR	NG	Same as above
25	Boiler 1	3717	1.210 E+06	BTU/HR	NG	Same as above
26	Boiler 1	3934	5.520 E+06	BTU/HR	NG	Same as above
27	Boiler 1	4061	1.210 E+06	BTU/HR	NG	Same as above
28	Boiler 2	4061	1.480 E+06	BTU/HR	NG	Same as above
29	Boiler 1	5978	2.500 E+06	BTU/HR	NG	Same as above
30	Boiler 2	5978	2.500 E+06	BTU/HR	NG	Same as above
31	Boiler 1	6225	1.116 E+06	BTU/HR	NG/#2 FO	Same as above
32	Boiler 1	6256	1.035 E+06	BTU/HR	NG	Same as above
33	Boiler 1	6551	2.050 E+06	BTU/HR	NG	Same as above
34	Boiler 1	6555	1.653 E+06	BTU/HR	NG	Same as above

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

ID	ACTIVITY	BLDG.	CAPACITY	UNIT	FUEL	GENERALLY APPLICABLE REGULATION
35	Boiler 1	6563	1.500 E+06	BTU/HR	NG/#2 FO	401 KAR 59:015, 40 CFR 63, Subpart DDDDD
36	Boiler 1	6929	3.348 E+06	BTU/HR	NG/#2 FO	Same as above
37	Boiler 2	6929	3.348 E+06	BTU/HR	NG/#2 FO	Same as above
38	Boiler 3	6926	4.185 E+06	BTU/HR	NG/#2 FO	Same as above
39	Boiler 1	6936	2.343 E+06	BTU/HR	NG/#2 FO	Same as above
40	Boiler 2	6936	2.343 E+06	BTU/HR	NG/#2 FO	Same as above
41	Boiler 1	6938	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
42	Boiler 2	6938	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
43	Boiler 3	6938	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
44	Boiler 1	6944	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
45	Boiler 2	6944	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
46	Boiler 3	6944	4.190 E+06	BTU/HR	NG/#2 FO	Same as above
47	Boiler 1	6992	2.000 E+06	BTU/HR	NG	Same as above
48	Boiler 1	7037	2.310 E+06	BTU/HR	NG	Same as above
49	Boiler 1	7038	1.500 E+06	BTU/HR	NG	Same as above
50	Boiler 1	7039	1.150 E+06	BTU/HR	NG	Same as above
51	Boiler 1	7042	1.255 E+06	BTU/HR	NG	Same as above
52	Boiler 1	7044	1.150 E+06	BTU/HR	NG	Same as above
53	Boiler 1	7049	1.500 E+06	BTU/HR	NG	Same as above
54	Boiler 1	7075	1.350 E+06	BTU/HR	NG	Same as above
55	Boiler 1	7085	1.200 E+06	BTU/HR	NG	Same as above
56	Boiler 1	7094	1.800 E+06	BTU/HR	NG	Same as above
57	Boiler 1	7096	1.232 E+06	BTU/HR	NG	Same as above
58	Boiler 1	7116	2.511 E+06	BTU/HR	NG/#2 FO	Same as above
59	Boiler 2	7116	6.300 E+06	BTU/HR	NG/#2 FO	Same as above
60	Boiler 3	7116	6.300 E+06	BTU/HR	NG/#2 FO	Same as above
61	Boiler 1	7154	5.021 E+06	BTU/HR	NG/#2 FO	Same as above
62	Boiler 2	7154	2.586 E+06	BTU/HR	NG/#2 FO	Same as above
63	Boiler 1	7160	6.781 E+06	BTU/HR	NG	Same as above
64	Boiler 1	7161	1.875 E+06	BTU/HR	NG	Same as above
65	Boiler 1	7162	2.186 E+06	BTU/HR	NG	Same as above
66	Boiler 1	7170	1.075 E+06	BTU/HR	NG	Same as above
67	Boiler 1	7179	1.010 E+06	BTU/HR	NG	Same as above
68	Boiler 1	7210	1.200 E+06	BTU/HR	NG	Same as above
69	Boiler 1	7243	1.930 E+06	BTU/HR	NG	Same as above
70	Boiler 1	7245	1.930 E+06	BTU/HR	NG	Same as above
71	Boiler 1	7249	1.930 E+06	BTU/HR	NG	Same as above
72	Boiler 1	7251	2.350 E+06	BTU/HR	NG	Same as above
73	Boiler 1	7262	5.000 E+06	BTU/HR	NG	Same as above
74	Boiler 1	7264	4.250 E+06	BTU/HR	NG	Same as above
75	Boiler 1	7267	1.248 E+06	BTU/HR	NG	Same as above

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

ID	ACTIVITY	BLDG.	CAPACITY	UNIT	FUEL	GENERALLY APPLICABLE REGULATION
76	Boiler 2	7267	1.248 E+06	BTU/HR	NG	401 KAR 59:015, 40 CFR 63, Subpart DDDDD
77	Boiler 1	7268	5.000 E+06	BTU/HR	NG	Same as above
78	Boiler 1	7269	1.050 E+06	BTU/HR	NG	Same as above
79	Boiler 2	7269	1.050 E+06	BTU/HR	NG	Same as above
80	Boiler 1	7272	3.450 E+06	BTU/HR	NG	Same as above
81	Boiler 1	7274	5.392 E+06	BTU/HR	NG	Same as above
82	MUAH ^a 1	6490	3.402 E+06	BTU/HR	NG	Same as above
83	MUAH ^a 1	7156A	3.402 E+06	BTU/HR	NG	Same as above
84	MUAH ^a 1	7162	1.996 E+06	BTU/HR	NG	Same as above
85	MUAH ^a 1	7274	1.075 E+06	BTU/HR	NG	Same as above
86	FURNACE 1	7226	1.200 E+06	BTU/HR	NG	Same as above

ID	ACTIVITY	CAPACITY	UNIT	FUEL	GENERALLY APPLICABLE REGULATION
87	373 Indirect heat exchangers	≤ 1 E+06 per unit	BTU/HR	NG/#2 FO	40 CFR 63 Subpart DDDDD
88	879 Space heaters	≤ 1 E+06 per unit	BTU/HR	NG/#2 FO	Not Applicable

ID	ACTIVITY	BLDG.	TANK CAPACITY	UNIT	CONTENTS	GENERALLY APPLICABLE REGULATION
89	UST1	92	20,000	GAL	Gasoline	401 KAR 59:050 or 401 KAR 60:005
90	UST2	92	20,000	GAL	Gasoline	Same as above
91	UST1	3000	10,000	GAL	Gasoline	Same as above
92	UST2	3000	10,000	GAL	Gasoline	Same as above
93	UST3	3000	10,000	GAL	Gasoline	Same as above
94	UST1	4190	12,000	GAL	Gasoline	Same as above
95	UST2	4190	12,000	GAL	Gasoline	Same as above
96	UST3	4190	12,000	GAL	Gasoline	Same as above
97	UST1	7277	8,000	GAL	Diesel	Same as above
98	UST1	6225	8,000	GAL	Diesel	Same as above
99	UST1	6548	1,000	GAL	Used Oil	Same as above
100	UST3	92	8,000	GAL	Diesel	Same as above
101	UST4	92	1,000	GAL	Used Oil	Same as above
102	UST1	7141	5,000	GAL	JP8	Same as above

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

ID	ACTIVITY	BLDG.	TANK CAPACITY	UNIT	CONTENTS	GENERALLY APPLICABLE REGULATION
103	UST1	7178	2,000	GAL	JP8	401 KAR 59:050 or 401 KAR 60:005
104	UST1	6327	12,000	GAL	JP8	Same as above
105	UST1	7176	1,500	GAL	JP8	Same as above
106	UST1	7179	2,000	GAL	JP8	Same as above
107	UST1	7051	8,000	GAL	JP8	Same as above
108	UST2	7051	4,000	GAL	Gasoline	Same as above
109	AST1	7140	17,500	GAL	Gasoline	Same as above
110	AST2	7140	12,000	GAL	JP8	Same as above
111	AST3	7140	432,785	GAL	JP8	Same as above
112	AST4	7140	432,785	GAL	JP8	Same as above
113	AST1	3902	1,000,000	GAL	#2 Fuel Oil	Same as above
114	AST1	7205	129,000	GAL	JP8	Same as above
115	AST1	0095	2,000	GAL	Diesel	Same as above
116	AST1	6090	10,000	GAL	JP8	Same as above
117	AST1	6535	1,000	GAL	Used Oil	Same as above
118	AST1	7062	1,000	GAL	Used Oil	Same as above
119	AST1	7109	1,000	GAL	Diesel	Same as above
120	AST1	7162	1,000	GAL	Diesel	Same as above
121	AST1	7164	1,500	GAL	Diesel	Same as above
122	AST1	7168	1,500	GAL	Diesel	Same as above
123	AST2	7168	1,500	GAL	Diesel	Same as above
124	AST1	7173	1,000	GAL	JP8	Same as above
125	AST1	7181	10,000	GAL	De-icer	Same as above
126	AST2	7181	10,000	GAL	De-icer	Same as above
127	AST1	7187	1,000	GAL	Diesel	Same as above
128	AST1	7197	1,000	GAL	Diesel	Same as above
129	AST1	7212	1,000	GAL	Diesel	Same as above
130	AST1	7221	1,000	GAL	Diesel	Same as above

ID	ACTIVITY	GENERALLY APPLICABLE REGULATION
131	24 Small USTS and ASTS ranging from 568 to 1,000 gallon capacity, storing petroleum or VOC liquids with a vapor pressure ≤ 1.5 PSIA.	401 KAR 59:050

SECTION C - INSIGNIFICANT ACTIVITIES (CONTINUED)

ID	ACTIVITY	BLDG.	GENERALLY APPLICABLE REGULATION
132	Oil-effluent water separator	7122	401 KAR 59:095
133	Oil-effluent water separator	7182	401 KAR 59:095

ID	ACTIVITY	BLDG.	Horse Power	GENERALLY APPLICABLE REGULATION
134	Emergency Electric Generator 1	7277	1005	40 CFR 63, Subpart ZZZZ & 401 KAR 63:020

ID	ACTIVITY	GENERALLY APPLICABLE REGULATION
135	37 emergency electric generators, rated < 500 HP	401 KAR 63:020

ID	ACTIVITY	GENERALLY APPLICABLE REGULATION
136	Site Remediation, Air Stripping Unit CAAF-3	40 CFR 63 Subpart GGGGG
137	Site Remediation, Air Stripping Unit CAAF-7	40 CFR 63 Subpart GGGGG

Boilers, Emergency Generators, Makeup Air Heaters - **See Section D (6), (7), (8) & (9).**

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING

REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. HAP, PM and SO₂ emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

3. Applicable sections of 40 CFR 63, Subpart GG:

40 CFR 63.744 (b)(2) Standards: Hand wipe cleaning

Cleaning solvents shall have a composite vapor pressure of 45 mm Hg (24.1 in. H₂O) or less at 20°C (68°F).

40 CFR 63.744 (c)(1) Standards: Spray gun cleaning

- (i) Enclosed system. Clean the spray gun in an enclosed system that is closed at all times except when inserting or removing the spray gun. Cleaning shall consist of forcing solvent through the gun.
- (ii) If leaks are found during the monthly inspection required in § 63.751 (a), repairs shall be made as soon as practicable, but no later than 15 days after the leak was found. If the leak is not repaired by the 15th day after detection, the cleaning solvent shall be removed, and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued.

40 CFR 63.746 (b)(3) Standards: Depainting operations

On an annual average basis use no more than 50 gallons of organic HAP-containing chemical strippers or alternatively 365 pounds of organic HAP per military aircraft depainted for spot stripping and decal removal.

40 CFR 63.748 Standards: Handling and storage of waste.

The handling and transfer of waste to or from containers, tanks, vats, vessels, and piping systems shall be conducted in such a manner that minimizes spills.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

3. Applicable sections of 40 CFR 63, Subpart GG (Continued):

40 CFR 63.750 (a): Test methods and procedures – *Composition determination*.

Compliance with the hand-wipe cleaning solvent approved composition list specified in § 63.744 (b) (1) for hand-wipe cleaning solvents shall be demonstrated using data supplied by the manufacturer of the cleaning solvent. The data shall identify all components of the cleaning solvent and shall demonstrate that one of the approved composition definitions is met.

40 CFR 63.750 (b): Test methods and procedures – *Vapor pressure determination*.

The composite vapor pressure of hand-wipe cleaning solvents used in a cleaning operation subject to this subpart shall be determined as follows:

- a. For single-component hand-wipe cleaning solvents, the vapor pressure shall be determined using MSDS or other manufacturer's data, standard engineering reference texts, or other equivalent methods.
- b. The composite vapor pressure of a blended hand-wipe solvent shall be determined by quantifying the amount of each organic compound in the blend using manufacturer's supplied data or a gas chromatographic analysis in accordance with ASTM E 260-91 or 96 (incorporated by reference – see § 63.14 of Subpart A of this part) and by calculating the composite vapor pressure of the solvent by summing the partial pressures of each component. The vapor pressure of each component shall be determined using manufacturer's data, standard engineering reference texts or other equivalent methods. The following equation shall be used to determine the composite vapor pressure:

$$PP_c = \sum_{i=1}^n \frac{(W_i)(VP_i)/(MW_i)}{\frac{W_w}{MW_w} + \sum_{e=1}^n \frac{W_e}{MW_e} + \sum_{i=1}^n \frac{W_i}{MW_i}}$$

where:

W_i = Weight of the "i"th VOC compound, grams.

W_w = Weight of water, grams.

W_e = Weight of non-HAP, non-VOC compound, grams.

MW_i = Molecular weight of the "i"th VOC compound, g/g-mole.

MW_w = Molecular weight of water, g/g-mole.

MW_e = Molecular weight of exempt compound, g/g-mole.

PP_c = VOC composite partial pressure at 20°C, mm Hg.

VP_i = Vapor pressure of the "i"th VOC compound at 20°C, mm Hg.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

3. Applicable sections of 40 CFR 63, Subpart GG (Continued):

40 CFR 63.750 (j) (3): Test methods and procedures – *Spot stripping and decal removal*. Determine the annual average volume of organic HAP-containing chemical strippers or alternatively the annual average weight of organic HAP used per aircraft using the procedures specified below:

(i)

$$C = \frac{\sum_{i=1}^n V_{si}}{A} \quad \text{Eq. 20}$$

where:

C = annual average volume (gal per aircraft) of organic HAP-containing chemical stripper used for spot stripping and decal removal.

n = number of organic HAP-containing chemical strippers used in the annual period.

V_{si} = volume (gal) of organic HAP-containing chemical stripper (i) used during the annual period.

A = number of aircraft for which depainting operations began during the annual period.

(ii)

$$C = \frac{\sum_{i=1}^n \left(V_{si} D_{hi} \left(\sum_{h=1}^m W_{hi} \right) \right)}{A} \quad \text{Eq. 21}$$

where:

C = annual average weight (lb per aircraft) of organic HAP (chemical stripper) used for spot stripping and decal removal.

m = number of organic HAP contained in each chemical stripper, as applied.

n = number of organic HAP-containing chemical strippers used in the annual period.

W_{hi} = weight fraction (expressed as a decimal) of each organic HAP (i) contained in the chemical stripper, as applied, for each aircraft depainted.

D_{hi} = density (lb/gal) of each organic HAP-containing chemical stripper (i), used in the annual period.

V_{si} = volume (gal) of organic HAP-containing chemical stripper (i) used during the annual period.

A = number of aircraft for which depainting operations began during the annual period.

40 CFR 63.751(a): Monitoring Requirements – *Enclosed spray gun cleaners*.

Visually inspect the seals and all other potential sources of leaks associated with each enclosed spray gun cleaner system at least once per month. Each inspection shall occur while the system is in operation.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

3. Applicable sections of 40 CFR 63, Subpart GG (Continued):

40 CFR 63.752 (b) (2): Record Keeping Requirements – *Cleaning Operation*.

For each cleaning solvent used in hand-wipe cleaning operations that complies with the composition requirements specified in § 63.744 (b) (1) or for semi-aqueous cleaning solvents used for flush cleaning operations:

- (i) The name of each cleaning solvent used;
- (ii) All data and calculations that demonstrate that the cleaning solvent complies with one of the composition requirements; and
- (iii) Annual records of the volume of each solvent used, as determined from facility purchase records or usage records.

40 CFR 63.752 (e) (1) and (e) (6): Record Keeping Requirements – *Depainting Operations*.

(1) *General*. For all chemical strippers used in the depainting operation:

- (i) The name of each chemical stripper; and
- (ii) Monthly volumes of each organic HAP containing chemical stripper used or monthly weight of organic HAP-material used for spot stripping and decal removal.

(6) *Spot stripping and decal removal*. For spot stripping and decal removal, the volume of organic HAP-containing chemical stripper or weight of organic HAP used, the annual average volume of organic HAP-containing chemical stripper or weight of organic HAP used per aircraft, the annual number of aircraft stripped, and all data and calculations used.

40 CFR 63.753 (b): Reporting requirements – *Cleaning operation*.

Each owner or operator of a cleaning operation subject to this subpart shall submit the following information:

(1) Semiannual reports occurring every 6 months from the date of notification of compliance status that identify:

- (i) Any instance where a noncompliant cleaning solvent is used for a nonexempt hand-wipe cleaning operation;
- (ii) A list of any new cleaning solvents used for hand-wipe cleaning in the previous 6 months and, as appropriate, their composite vapor pressure or notification that they comply with the composition requirements specified in § 63.744 (b) (1);
- (iii) Any instance where a noncompliant spray gun cleaning method is used;
- (iv) Any instance where a leaking enclosed spray gun cleaner remains unrepaired and in use for more than 15 days; and
- (v) If the operations have been in compliance for the semiannual period, a statement that the cleaning operations have been in compliance with the applicable standards. Sources shall also submit a statement of compliance signed by a responsible company official certifying that the facility is in compliance with all applicable requirements.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

3. Applicable sections of 40 CFR 63, Subpart GG (Continued):

40 CFR 63.753 (d): Reporting requirements – *Depainting operation*.

Each owner or operator of a depainting operation subject to this subpart shall submit the following information:

(1) Semiannual reports occurring every 6 months from the date of the notification of compliance status that identify:

- (i) Any 24-hour period where organic HAP were emitted from the depainting of aerospace vehicles, other than from the exempt operations listed in § 63.746 (a), (b) (3), and (b) (5).
- (ii) Any new chemical strippers used at the facility during the reporting period;
- (iv) The organic HAP content of these new chemical strippers;

4. As required by 401 KAR 63:020, § 3, no owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to adequacy of controls and/or procedures and emission potential will be made on an individual basis by the Cabinet.

Potentially hazardous matter or toxic substances

An air dispersion model protocol for potentially hazardous matter and toxic substance emissions (air toxics) for sources listed in Section B and Section C of this permit shall be submitted within 60 days of the issuance of this permit. Upon approval of the protocol, the source shall model the air toxics emissions as indicated in the protocol. The source shall submit the results of the air modeling to the Division, whereupon the emissions of toxics shall be evaluated to determine the compliance status with 401 KAR 63:020.

The compliance determination is based on the potential to emit emission rates of toxics (e.g., chromium) given in the application submitted by the source. If additional HAPs are identified that were not present in the application, the potential to emit emission rates of those HAPs shall also be included in the air dispersion model.

If the source alters process rates, material formulations, or any other factor that will result in an increase of emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:020, along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.

5. Where there is weekly monitoring and record keeping requirements in this permit, the monitoring and record keeping shall be required if the emission unit operated any day or portion of a day during the week. Where there is daily monitoring and record keeping requirements in this permit, the monitoring and record keeping shall be required if the emission unit operated any portion of the day.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

6. CO emissions shall not exceed 50 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total CO emissions shall be reported on a semi-annual basis. CO emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month of CO emissions; subsequently, tons of CO emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the CO emission limitations listed herein for the synthetic minor limitations. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

Compliance Demonstration Method:

CO emitted from natural gas combustion (boilers and makeup air heaters):

$$\text{CO emitted (lb/month)} = (84.0 \text{ lb/MMSCF}) \times (\text{MMSCF natural gas burned/month})$$

CO emitted from distillate oil combustion (boilers and makeup air heaters):

$$\text{CO emitted (lb/month)} = (5.0 \text{ lb}/10^3) \times (10^3 \text{ gallons of distillate oil burned/month})$$

CO emitted from diesel fuel combustion (emergency generators):

$$\text{CO emitted (lb/month)} = (134.0 \text{ lb}/10^3) \times (10^3 \text{ gallons of diesel burned/month})$$

$$\text{Source-wide CO emissions} = \sum [\text{CO emissions from natural gas combustion}] + \sum [\text{CO emissions from distillate oil combustion}] + \sum [\text{CO emissions from diesel fuel combustion}]$$

7. NO₂ emissions shall not exceed 75 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total NO₂ emissions shall be reported on a semi-annual basis. NO₂ emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month of NO₂ emissions; subsequently, tons of NO₂ emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the NO₂ emission limitations listed herein for the synthetic minor limitations. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

Compliance Demonstration Method:

NO₂ emitted from natural gas combustion (boilers and makeup air heaters):

$$\text{NO}_2 \text{ emitted (lb/month)} = (100.0 \text{ lb/MMSCF}) \times (\text{MMSCF natural gas burned/month})$$

NO₂ emitted from distillate oil combustion (boilers and makeup air heaters):

$$\text{NO}_2 \text{ emitted (lb/month)} = (20.0 \text{ lb}/10^3) \times (10^3 \text{ gallons of distillate oil burned/month})$$

NO₂ emitted from diesel fuel combustion (emergency generators):

$$\text{NO}_2 \text{ emitted (lbs/month)} = (620.0 \text{ lb}/10^3) \times (10^3 \text{ gallons of diesel burned/month})$$

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

Source-wide NO₂ emissions = \sum [NO₂ emissions from natural gas combustion] + \sum [NO₂ emissions from distillate oil combustion] + \sum [NO₂ emissions from diesel fuel combustion]

8. SO₂ emissions shall not exceed 35 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total SO₂ emissions shall be reported on a semi-annual basis. SO₂ emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month of SO₂ emissions; subsequently, tons of SO₂ emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the SO₂ emission limitations listed herein for the synthetic minor limitations. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

Compliance Demonstration Method:

SO₂ emitted from natural gas combustion (boilers and makeup air heaters):

SO₂ (lb/month) = (0.6 lb/MMSCF) x (MMSCF natural gas burned/month)

SO₂ emitted from distillate oil combustion (boilers and makeup air heaters):

SO₂ (lb/month) = ((142*S) lb/10³) x (10³ gallons of distillate oil burned/month)

Where S indicates the weight % sulfur in the oil. For example, if the fuel is 0.5% sulfur, then S =0.5.

SO₂ emitted from diesel fuel combustion (emergency generators):

SO₂ (lb/month) = (41 lb/10³) x (10³ gallons of diesel fuel burned/month)

Source-wide SO₂ emissions = \sum [SO₂ emissions from natural gas combustion] + \sum [SO₂ emissions from distillate oil combustion] + \sum [SO₂ emissions from diesel fuel combustion]

9. Source-wide VOC emissions shall not exceed 25 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with these limitations shall be maintained. Source-wide VOC emissions shall be reported on a semi-annual basis. VOC emissions shall be calculated and recorded on a *monthly* basis. These records shall be summarized in tons per month of VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the VOC emission limitations listed herein for the synthetic minor limitation. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)**Compliance Demonstration Method:****For VOC:**

VOC emitted (lbs/month) = \sum [VOC emissions from paints, thinners and cleaning solvents]

$$E_{\text{VOC}} = \sum [Q * C_{\text{VOC}}]$$

Where:

E_{VOC} = Total VOC emissions (lb/month)

Q = Usage rate of material (gal/month)

C_{VOC} = VOC content of material (lb/gal)

VOC content of material as applied (C_{VOC}) is obtained from the manufacturer's technical specification sheet and coating to thinner mix ratio data.

VOC emitted from natural gas combustion (boilers and makeup air heaters):

$$\text{VOC emitted (lb/month)} = (5.5 \text{ lb/MMSCF}) \times (\text{MMSCF natural gas burned/month})$$

VOC emitted from distillate oil combustion (boilers and makeup air heaters):

$$\text{VOC emitted (lb/month)} = (0.34 \text{ lb}/10^3) \times (10^3 \text{ gallons of distillate oil burned/month})$$

VOC emitted from diesel fuel combustion (emergency generators):

$$\text{VOC emitted (lb/month)} = (50.2 \text{ lb}/10^3) \times (10^3 \text{ gallons of diesel fuel burned/month})$$

$$\begin{aligned} \text{Source-wide VOC emissions} = & \sum [\text{VOC emissions from paints, thinners and cleaning} \\ & \text{solvents}] + \sum [\text{VOC emissions from natural gas combustion}] + \sum [\text{VOC emissions from} \\ & \text{distillate oil combustion}] + \sum [\text{VOC emissions from diesel fuel combustion}] \end{aligned}$$

Note: For Source Emission Limitations 6, 7, 8 and 9 listed above, the emissions from boilers and emergency generators listed in SECTION C of this permit shall be included when determining compliance with the source-wide emission limitations. For the purpose of determining the 12-month rolling total emissions from emergency generators, it may be assumed that each individual unit operated 500 hours over the total rolling 12-month period in lieu of maintaining records of the hours of operation for each individual unit.

Emission factors referenced from AP 42, Fuel Oil Combustion (September 1998) – Tables 1.3-1 & 1.3-3, AP 42, Natural Gas Combustion (July 1998) – Tables 1.4-1 & 1.4-2 and AP 42, Gasoline and Diesel Industrial Engines (October 1996) – Table 3.3-1.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Other deviations from permit requirements shall *be included in the semiannual report required by Section F.6* [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Paducah Regional Office
4500 Clarks River Road
Paducah, KY 42003-0823

U.S. EPA Region 4
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS**(a) General Compliance Requirements**

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Environmental and Public Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
 - a. Applicable requirements that are included and specifically identified in the permit and
 - b. Non-applicable requirements expressly identified in this permit.
17. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

- (d) Construction, Start-Up, and Initial Compliance Demonstration Requirements
EU06 (55) – Aerospace rework shop/spray booth with exhaust fabric filters.
EU07 (57) – Abrasive blaster for stripping dry paint from the fuselage of aerospace vehicles using plastic media.

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction of the equipment described herein, emission units EU06 and EU07 in accordance with the terms and conditions of this permit.

1. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
2. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
 - a. The date when construction commenced.
 - b. The date of start-up of the affected facilities listed in this permit.
 - c. The date when the maximum production rate specified in the permit application was achieved.
3. Pursuant to 401 KAR 52:020, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.
4. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the proposed permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.

SECTION G - GENERAL PROVISIONS (CONTINUED)

5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements.
 6. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.
- (e) Acid Rain Program Requirements
1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.
- (f) Emergency Provisions
1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
 - e. This requirement does not relieve the source of other local, state or federal notification requirements.
 2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
 3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

SECTION G - GENERAL PROVISIONS (CONTINUED)**(g) Risk Management Provisions**

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 1515
Lanham-Seabrook, MD, 20703-1515

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

SECTION I - COMPLIANCE SCHEDULE